

## Supplemental Material

**Title:** Variability and Predictors of Urinary Bisphenol A Concentrations during Pregnancy

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Supplemental Table 1: List of phthalate metabolites, abbreviations, and molecular weights

Parent Phthalate	Abbreviation	Phthalate Urine Metabolite	Abbreviation	Molecular Weight (g)
Dibutyl phthalate	DBP	Monobutyl phthalate	MBP	222
Diethyl phthalate	DEP	Monoethyl phthalate	MEP	194
Di-iso-butyl phthalate	DIBP	Monoisobutyl phthalate	MIBP	222
Benzylbutyl phthalate	BzBP	Monobenzyl phthalate	MBzP	256
Di-2-ethylhexyl phthalate	DEHP	Mono-2-ethylhexyl phthalate	MEHP	294
Di-2-ethylhexyl phthalate	DEHP	Mono-(2-ethyl-5-hydroxyhexyl) phthalate	MEHHP	294
Di-2-ethylhexyl phthalate	DEHP	Mono-(2-ethyl-5-oxohexyl) phthalate	MEOHP	292
Di-2-ethylhexyl phthalate	DEHP	Mono-(2-ethyl-5-carboxypentyl) phthalate	MECPP	308
Di-n-octyl phthalate	DnOP	Mono-3-carboxypropyl phthalate	M CPP	252

Supplemental Table 2: Change in urinary BPA concentrations ( $\mu\text{g BPA/g creatinine}$ ) with 10-fold increase in creatinine-standardized urinary phthalate concentration. \*

Phthalate Metabolite	Unadjusted (95% CI)	Adjusted (95% CI) ‡
MBP	1.14 (1.01,1.29)	1.16 (1.02,1.31)
MEP	1.05 (0.96,1.15)	1.05 (0.95,1.15)
MIBP	1.01 (0.89,1.15)	0.99 (0.87,1.13)
MBzP	1.12 (1.01,1.24)	1.12 (1.00,1.25)
MEHP	1.27 (1.17,1.37)	1.27 (1.17,1.37)
MECPP	1.23 (1.13,1.34)	1.23 (1.12,1.34)
MEHHP	1.22 (1.12,1.32)	1.22 (1.12,1.32)
MEOHP	1.23 (1.13,1.34)	1.23 (1.13,1.34)
MCPP	1.34 (1.16,1.54)	1.34 (1.15,1.56)

\*- Ratios are the exponentiated beta coefficients from a linear mixed model with 16 week, 26 week, and birth creatinine-standardized BPA measurements as the outcome. Ratios represent the multiplicative difference in creatinine-standardized urinary BPA concentrations for each 10-fold increase in creatinine-standardized urinary phthalate concentration.

†-N=387 at 16 week visit

‡-Adjusted for maternal age, race, education, household income, and marital status.